

TECHNICAL DATA SHEET

HJ800R Polypropylene Block Copolymer For Small Home Electronic Appliances

Product Description

Topilene® HJ800R is a specially designed polypropylene block copolymer that features high stiffness, balanced mechanical properties and excellent long term heat stability. It is suitable for small home electronic appliances. **Topilene® HJ800R** complies with FDA requirements in the code of Federal Regulations in 21 CFR 177.1520 for food contact. It complies with UL Standard for Safety for Polymeric Materials – Long Term Property Evaluations, UL 746B.

Characteristics

Typical Application Small home electronic appliances (Toasters, Coffee makers, Steam irons, etc)

Features Long-term heat resistance (UL 94HB, 746B) / Superior balance between stiffness and impact strength

Typical Properties

Resin Properties	Method	Value	Unit
Melt Index (230°C, 2.16kg)	ASTM D1238	18	g/10min
Density	ASTM D792	0.9	g/cm³
Tensile Strength at Yield	ASTM D638	300	kg/cm²
Flexural Modulus	ASTM D790	17,500	kg/cm²
Notched Izod Impact Strength (23°C / -10°C)	ASTM D256	7.0 / 4.0	kg-cm/cm
Rockwell Hardness	ASTM D785	95	R-Scale
Heat Deflection Temperature	ASTM D648	110	°C
Vicat Softening Point	ASTM D1525	150	°C

The values listed above are typical values for reference purpose only and shall not be construed as specifications.

Storage and Handling

This product should be stored in dry condition at temperature below 40°C and protected from UV-light. When condensation is visible or can be expected, pre-drying is recommended. (Drying condition: 80~100°C/2~4 hours at air circulated condition)

Disclaimer

All information, including product characteristics, applications and properties are for reference purpose only and shall not be construed as specifications. Before using this product, customers should carefully review the instructions for use of the product to determine whether the product is suitable for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of this product. HYOSUNG CHEMICAL CORPORATION assumes no legal responsibility or liability for the contents of this document. We reserve the right to change the contents of this document without prior notice. This document is copyrighted by HYOSUNG CHEMICAL CORPORATION. **Topilene®** is a registered trademark owned or used by HYOSUNG CHEMICAL CORPORATION.

Contacts

Head Office 235, Banpo-daero, Seocho-gu, Seoul, Korea 06578
 Tel: +82-2-2146-5451~7 Fax: +82-2-2146-5428
Online www.hyosungchemical.com
www.topilene.com



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